

Lesson 1: Introduction

Objectives:

1. Become familiar with the role of biomaterials.
2. Express biological ideas orally with a group
3. Think divergently and create authentic questions

Introduction: Mystery Material

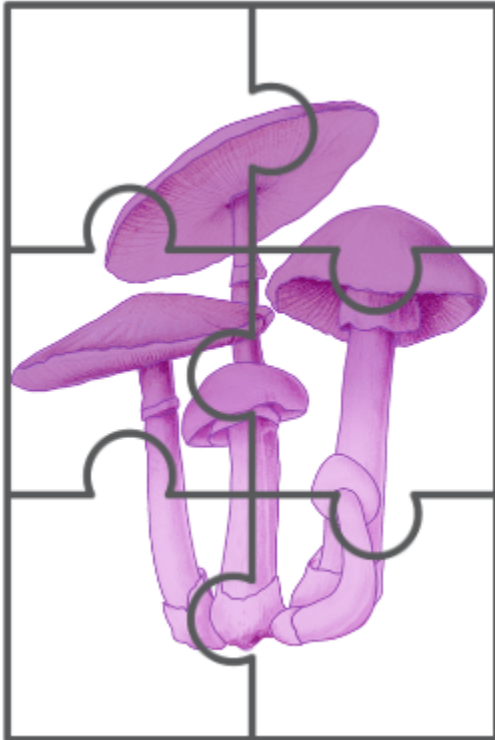
Your instructor will provide a bear made out of a mystery material!
Brainstorm a list of ideas for what you think this material might be:





Jigsaw Activity:

In this activity, you will become an expert on one article, then move into mixed groups to share your findings and generate questions.



1. Expert Groups

Break into expert groups (meat, furniture, cars, styrofoam, space).

Broad Topic: Fungi is the Future

<i>Expert Group</i>	<i>Article</i>
Meat	Fungi-Based Meat Wants To Be Your Meatless Monday Dinner - Forbes
Furniture	Furniture of the Future May Be Grown from Mushrooms - Dogonews
Cars	Future Ford Vehicles May Feature Some Fungus! - Dogonews
Styrofoam	Styrofoam That Will Protect Your Television and Garden! - Dogonews
Space	Could Future Homes on the Moon and Mars Be Made of Fungi? - NASA

With your expert group, read the assigned article and do the following:

Clarify confusion: Jot down any terms you don't know and look up the meaning! Find at least 1!

Get to the point: Pick 5 terms from the text that you feel best summarize the message. Hint: If you could only express the meaning of the article in 5 words, which would they be?

Summarize: Create a 1-2 sentence summary expressing the main message.

2. Mixed groups

A member from each group will now form a new group. In each mixed group, a member from each expert group should be represented.

With your mixed group:

- a. Each member should give a brief oral explanation of their article. Help those who did not read your article understand what it was about!
- b. Together, your mixed group should create a list of questions. Questions might be about the broader topic, Fungi is the Future, or about your specific article.

Questioning rules:

1. Think divergently and let your mind wander. All questions are welcome.
2. Create as many questions as you can. Do not stop to answer your question or judge it!
3. List your questions somewhere visible.